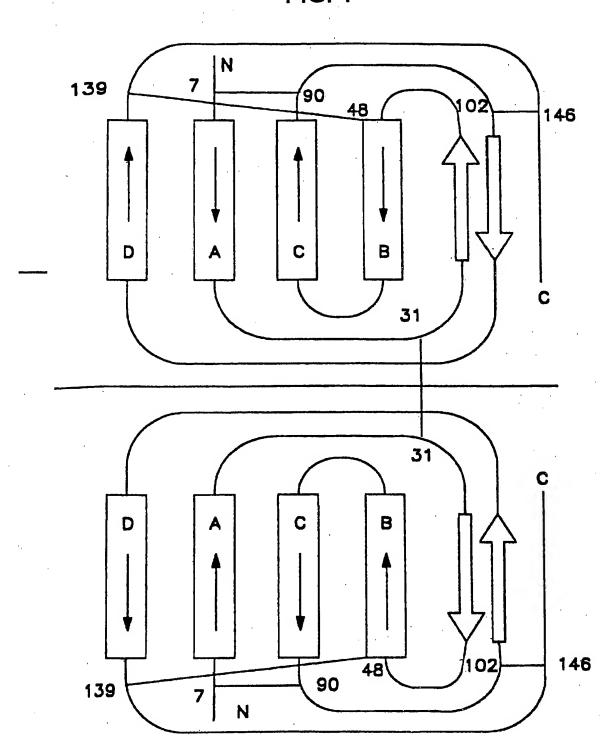
FIG. 1



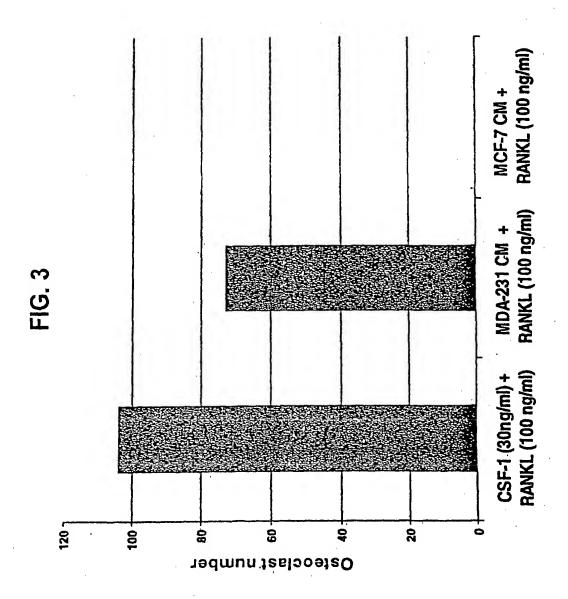


Fig. 4

| Met 1 | Thr | Ala | Pro | Gły 5 | Ala | Ala | Gly | Arg | Суs 10 | Pro | Pro | Thr | Thr | Trp 15 | Leu |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Gly | Ser | Leu | Leu 20 | Leu | Leu | Val | Cys | Leu 25 | Leu | Ala | Ser | Arg | Ser 30 | Ile | Thr |
| Glu | Glu | Val 35 | Ser | Glu | Tyr | Сув | Ser 40 | His | Met | Ile | Gly | Ser 45 | Gly | His | Leu |
| Gln | Ser 50 | Leu | Gln | Arg | Leu | Ile 55 | Asp | Ser | Gln | Met | Glu 60 | Thr | Ser | Cys | Gln |
| Ile 65 | Thr | Phe | Glu | Phe | Val 70 | Asp | Gln | Glu | Gln | Leu 75 | Lys | Asp | Pro | Val | Cys 80 |
| Tyr | Leu | Lys | Lys | Ala 85 | Phe | Leu | Leu | Val | Gln 90 | Asp | Ile | Met | Glu | Asp 95 | Thr |
| Met | Arg | Phe | Arg 100 | Asp | Asn | Thr | Pro | Asn 105 | Ala | Ile | Ala | Ile | Val 110 | Gln | Leu |
| Gln | Glu | Leu 115 | Ser | Leu | Arg | Leu | Lys 120 | Ser | Cys | Phe | Thr | Lys 125 | Asp | Tyr | Glu |
| Glu | His 130 | Asp | Lys | Ala | Cys | Val 135 | Arg | Thr | Phe | Тут | Glu 140 | Thr | Pro | Leu | Gln |
| Leu 145 | Leu | Glu | Lys | Val | Lys 150 | Asn | Val | Phe | Asn | Glu 155 | Thr | Lys | Asn | Leu | Leu 160 |
| qzA | Lys | qaA | Trp | Asn 165 | Ile | Phe | Ser | Lys | Asn 170 | Сув | Asn | Asn | Ser | Phe 175 | Ala |
| Glu | Cys | Ser | Ser 180 | Gln | Gly | Hìs | Glu | Arg 185 | Gln | Ser | Glu | Gly | Ser 190 | Ser | Ser |
| Pro | Gln | Leu 195 | Gln | Glu | Ser | Val | Phe 200 | Hís | Leu | Leu | Val | Pro 205 | Ser | Val | Ile |
| Leu | Val 210 | Leu | Leu | Ala | Val | Gly 215 | Gly | Leu | Leu | Phe | Tyr 220 | Arg | Trp | Arg | Arg |
| Arg 225 | Ser | His | Gln | Glu | Pro 230 | Gln | Arg | Ala | Asp | Ser 235 | Pro | Leu | Glu | Gln | Pro 240 |
| Glu | Gly | Ser | Pro | Leu 245 | Thr | Gln | Asp | qaA | Arg 250 | Gln | Val | Glu | Leu | Pro 255 | Val |

Fig. 5

Met Thr Ala Pro Gly Ala Ala Gly Arg Cys Pro Pro Thr Thr Trp Leu Gly Ser Leu Leu Leu Val Cys Leu Leu Ala Ser Arg Ser Ile Thr 20 25 Glu Glu Val Ser Glu Tyr Cys Ser His Met Ile Gly Ser Gly His Leu 40 45 Gln Ser Leu Gln Arg Leu Ile Asp Ser Gln Met Glu Thr Ser Cys Gln 50 55 60 Ile Thr Phe Glu Phe Val Asp Gln Glu Gln Leu Lys Asp Pro Val Cys 70 75 Tyr Leu Lys Lys Ala Phe Leu Leu Val Gln Asp Ile Met Glu Asp Thr 85 90 95 Met Arg Phe Arg Asp Asn Thr Pro Asn Ala Ile Ala Ile Val Gln Leu 100 105 110 Gln Glu Leu Ser Leu Arg Leu Lys Ser Cys Phe Thr Lys Asp Tyr Glu 115 120 125 120 125 Glu His Asp Lys Ala Cys Val Arg Thr Phe Tyr Glu Thr Pro Leu Gln 130 135 140 135 140 Leu Leu Glu Lys Val Lys Asn Val Phe Asn Glu Thr Lys Asn Leu Leu 150 155 Asp Lys Asp Trp Asn Ile Phe Ser Lys Asn Cys Asn Asn Ser Phe Ala 165 170 175 Glu Cys Ser Ser Gln Asp Val Val Thr Lys Pro Asp Cys Asn Cys Leu 180 185 190 Tyr Pro Lys Ala Ile Pro Ser Ser Asp Pro Ala Ser Val Ser Pro His 200 Gln Pro Leu Ala Pro Ser Met Ala Pro Val Ala Gly Leu Thr Trp Glu 210 215 220 Asp Ser Glu Gly Thr Glu Gly Ser Ser Leu Leu Pro Gly Glu Gln Pro 230 235 Leu His Thr Val Asp Pro Gly Ser Ala Lys Gln Arg Pro Pro Arg Ser 245 250 255 Thr Cys Gln Ser Phe Glu Pro Pro Glu Thr Pro Val Val Lys Asp Ser 260 265 270 Thr Ile Gly Gly Ser Pro Gln Pro Arg Pro Ser Val Gly Ala Phe Asn 275 280 285 Pro Gly Met Glu Asp Ile Leu Asp Ser Ala Met Gly Thr Asn Trp Val 295 300 Pro Glu Glu Ala Ser Gly Glu Ala Ser Glu Ile Pro Val Pro Gln Gly 310 315 Thr Glu Leu Ser Pro Ser Arg Pro Gly Gly Gly Ser Met Gln Thr Glu 325 330 335 Pro Ala Arg Pro Ser Asn Phe Leu Ser Ala Ser Ser Pro Leu Pro Ala 340 345 350 Ser Ala Lys Gly Gln Gln Pro Ala Asp Val Thr Gly Thr Ala Leu Pro 355 360 365 360 365 Arg Val Gly Pro Val Arg Pro Thr Gly Gln Asp Trp Asn His Thr Pro 370 375 380 375 Gln Lys Thr Asp His Pro Ser Ala Leu Leu Arg Asp Pro Pro Glu Pro 390 395 Gly Ser Pro Arg Ile Ser Ser Leu Arg Pro Gln Gly Leu Ser Asn Pro 405 410 Ser Thr Leu Ser Ala Gln Pro Gln Leu Ser Arg Ser His Ser Ser Gly
420 425 430 Ser Val Leu Pro Leu Gly Glu Leu Glu Gly Arg Arg Ser Thr Arg Asp 435 440 Arg Arg Ser Pro Ala Glu Pro Glu Gly Gly Pro Ala Ser Glu Gly Ala
450 455 460 455 Ala Arg Pro Leu Pro Arg Phe Asn Ser Val Pro Leu Thr Asp Thr Gly 465 470 475 480 His Glu Arg Gln Ser Glu Gly Ser Ser Ser Pro Gln Leu Gln Glu Ser 485 490 495 Val Phe His Leu Leu Val Pro Ser Val Ile Leu Val Leu Leu Ala Val 500 505 Gly Gly Leu Leu Phe Tyr Arg Trp Arg Arg Arg Ser His Gln Glu Pro 515 520 525 Gln Arg Ala Asp Ser Pro Leu Glu Gln Pro Glu Gly Ser Pro Leu Thr 535 Gln Asp Asp Arg Gln Val Glu Leu Pro Val

Fig. 6

| 1 | | | Pro | 5 | | | | | 10 | | | | | 15 | |
|------------|-----------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|
| Gly | Ser | Leu | Leu 20 | Leu | Leu | Val | Сув | Leu 25 | Leu | Ala | Ser | Arg | Ser 30 | Ile | Thr |
| Glu | Glu | Val 35 | Ser | Glu | Tyr | Cys | Ser 40 | His | Met | Ile | Gly | Ser 45 | Gly | His | Leu |
| Gln | Ser 50 | Leu | Gln | Arg | Leu | Ile 55 | Asp | Ser | Gln | Met | Glu 60 | Thr | Ser | Cys | Gln |
| Ile 65 | Thr | Phe | Glu | Phe | Val 70 | Asp | Gln | Glu | Gln | Leu 75 | Lys | Asp | Pro | Val | Cys 80 |
| Tyr | Leu | Lys | Lys | Ala 85 | Phe | Leu | Leu | Val | Gln 90 | Asp | Ile | Met | Glu | Asp 95 | Thr |
| Met | Arg | Phe | Arg 100 | Asp | Asn | Thr | Pro | Asn 105 | Ala | Ile | Ala | Ile | Val 110 | Gln | Leu |
| Gln | Glu | Leu 115 | Ser | Leu | Arg | Leu | Lys 120 | Ser | Cys | Phe | Thr | Lys 125 | Asp | Tyr | Glu |
| | 130 | | Lys | | | 135 | | | | | 140 | | | | |
| Leu 145 | Leu | Gļu | Lys | Val | Lys 150 | Asn | Val | Phe | Asn | Glu 155 | Thr | Lys | Asn | Leu | Leu 160 |
| Asp | Lys | Asp | Trp | Asn 165 | Ile | Phe | Ser | Lys | Asn 170 | Cys | Asn | Asn | Ser | Phe 175 | Ala |
| Glu | Cys | Ser | Ser 180 | Gln | Asp | Val | Val | Thr 185 | Lys | Pro | Asp | Cys | Asn 190 | Cys | Leu |
| | | 195 | Ala | | | | 200 | | | | | 205 | | | |
| | 210 | | Ala | | | 215 | | | | | 220 | | | _ | |
| Asp 225 | Ser | Glu | Gly | Thr | Glu 230 | Gly | Ser | Ser | Leu | Leu 235 | Pro | Gly | Glu | Gln | Pro 240 |
| | | | Val | 245 | | _ | | | 250 | | | | | 255 | |
| | | | Ser 260 | | | | | 265 | | | | | 270 | | |
| | | 275 | Gly | | | | 280 | | | | | 285 | | | |
| | 290 | | Glu | | | 295 | | | | | 300 | | | | |
| 305 | | | Ala | | 310 | | | | | 315 | | | | | 320 |
| | | | Ser | 325 | | | | | 330 | | | | | 335 | |
| | | | 340 | | | | | 345 | | | | | 350 | | Ala |
| | | 355 | Gly | | | | 360 | | | | | 365 | | | |
| | 370 | | Ser | | | 375 | | | | | 380 | | | | |
| 385 | | | Ser | | 390 | | | | | 395 | | | | | 400 |
| | | | Trp | 405 | | | | | 410 | | | | | 415 | _ |
| Ser | Pro | Leu | Glu 420 | Gln | Pro | Glu | Gly | Ser 425 | Pro | Leu | Thr | Gln | Asp 430 | Asp. | Arg |
| Gln | Val | Glu | Leu | Pro | Val | | | | | | | | | | |